Release A CDR RID Report

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Section **Page** **Figure** **Table**

Category Name Data Server (DSS) Design **Actionee** ECS
Sub Category
Subject Handling very large data requests

Description of Problem or Suggestion:

DAACs occasionally receive science user requests for very large volumes of all or part of individual data sets. This can involve tens or hundreds of products (granules). Rather than dropping one big request into the Data Server, these should be spread out over time.

Originator's Recommendation

Provide a detailed description of how these orders will be handled in the Data Server. Also, describe what tools will be provided to the operator to manage this type of order to minimize manual tracking and processing.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Glen Cordrey **HAIS Schedule** 9/13/95
HAIS R. E. M. Huber **HAIS Response Date** 10/13/95

Configurable parameters will exist for the maximum number of bytes in a request (RID 29), and the maximum number of files in a request (RID 28). The DDIST software will check each request against these limits. A request which exceeds either limit will be suspended with a new state of OPINT, indicating operator intervention required; the operator will also be notified of the existence of the request. The requester will be notified that the request has been suspended because its size requires operator intervention and that the request will be processed as subrequests which will be delievered to the requester individually. The operator can view the details of the request via selection of a view function, which exists in the release A CDR design and will be augmented to support operator sectioning of these large requests.

The display of the details of a distribution request will include a list of the granules and files in the request, and their individual sizes and types. The operator will be able to position a cursor within this list to delimit (via a GUI-supported selection such as a Delimit button) where the request should be sectioned into multiple requests (termed subrequests). The operator will then be able to submit (via a GUI-supported selection, such as a Submit button) - at his discretion - each of these subrequests for processing. Each submitted subrequest will be processed as an independent request, with generation of its own packing slip (if the distribution is via physical media) and notification to the requester when distribution is complete, with the notification also indicating the parent request of this subrequest. Notification to the requester of completion of the last subrequest will also indicate completion of the entire (parent) request.

This approach affords operations flexibility while at the same time offering them a convenient interface for managing very large requests. Operations can decide the granularity and boundaries for sectioning the requests, and when the sectioned subrequests are submitted. At the same time operations can track what portions of the request are already done, and the user has a record of how the request was dispositioned and decomposed.

Status **Closed** **Date Closed** **10/18/95** **Sponsor** **Kobler**

****** **Attachment if any** ******